AVerMedia
www.averusa.com/surveillance

Integrator
Hybrid Windows Capture Cards

NV Series

NV5000 Hybrid Windows Capture Card

3 Year Warranty!

Model Number(s):

- NV5000 - Windows Solution

Key Points:

- Hybrid on all channels (analog or IP)
- Supports 60+ brands of IP cameras
- Win 7/XP/Vista (32-bit) & 7 (64-bit dr)
- Wide screen support: (1440x900, 1680x1050, 1920x1200, 1920x1080)
- D1 with real-time
- Stack up to 16 channels
- Comprehensive remote access through iPhone, Blackberry and web
- Supported by US based tech team

The AVerMedia NV5000 is an exceptional value **4 channel capture card** that integrates full hybrid functionality, crystal-clear D1 real-time image quality and is fully expandable up to 16 channels. Featuring AVerMedia's award winning software and robust remote video access (iPhone and Blackberry approved), this cost-effective card offers a host of features uncommon in entry-level systems.

Coupled with free ongoing software upgrades, full support from AVerMedia's US based technical team and a 3 year warranty, the NV5000 ensures easy, efficient and effective security.

SYSTEM

- 352 x 240 (CIF), 640 x 480 (VGA), 720 x 240 (Half-D1), 720 x 480 (D1) resolutions
- Supports 60+ IP camera brands
- Compatible with up to 5 MegaPixel IP camera(s) (check support list for integrated camera model numbers)
- IP and Analog camera Pan-Tilt-Zoom enabled
- Supports up to 1920 x 1200 wide screen resolutions
- Video compression: Software H.264, MPEG4 and MJPEG
- Uncomplicated system and/or IP camera support updates through USB drives
- Virtual keyboard built-in and support's UPS

CONFIGURATION

- Pre-schedule many system functionalities including recording, backup, reboot, alarm and relay controls as a one-time or recurring weekly task
- Save time on multiple system setups by simply exporting and importing system configuration settings

AVerMedia Information, Inc. 423 Dixon Landing Rd., Milpitas CA Tel: 408.263.3828 Fax: 408.263.8132

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CAPABILITIES

MONITORING

For environments that depend on live video, the NV5000 offers many features for fast and responsive event management:

- Video - 4 analog (BNC Connectors) and/or IP cameras
- Audio (optional) - 4 channel inputs and 1 channel output
- 4 sensors & relays (optional)
- E-maps (8) showcasing camera, sensor and relay positions
- Simultaneously view live video during playback
- Integrated Auto Gain Control (AGC) balances image noise
- View and record in total darkness with built-in "Night View" functionality EVEN for day-only cameras
- "Attention Please" feature helps operator performance

Live Display

- Award winning Graphical User Interface (GUI) with:
  - Advanced GUI mode for easy access to system tools
  - Compact GUI mode for maximum image display
- Channel Auto scan with 1, 4, 8, 9, 13 & 16 screen splits
- Digital zoom incorporated for greater detail in live video

Alarm/Notifications

The NV5000 is ready for real-time incident response by:

- Starting video recording on multiple cameras
- Sending footage to spot monitor
- Enabling camera PTZ tracking and enlarging triggered video
- Following sensor with relay protocols (e.g. locking gates etc.)
- Launching the triggered channel's corresponding Emap
- Sending emails, snapshots and files to FTP, SMS/MMS
- Making a phone call or playing customizable warning sounds
- Sending video to Central Management System
- Displaying standard operating protocols to ensure proper adherence to procedures by security personnel
- Including manual on screen alarm trigger for emergencies
- Alarms can be reset both locally and remotely

INTELLIGENCE

To reduce security staffing and/or to manage high-volume video, the NV5000 also provides intelligence that is triggered by:

- Motion Detection, sensor inputs and POS events
- Objects left or removed from monitored zones
- Video loss or HDD failure; initiates "Watchdog" function if needed to bring system back from faulty to normal operation
- Controlling false alarms by combining multiple alarm inputs to validate genuine events

RECORDING

Once the system is triggered and starts recording, it can continue to do so without time limitations. Additional features:

- Continuous, Motion, Event, or Audio recording
- Smart - Activity based escalation of recording fps (low - high)
- Video mask - prevent high activity regions from triggering motion based recording
- System will auto recycle storage space when disk is full
- Two types of de-interlace method: optimized for static scenes or dynamic scenes

FORENSICS

For rapid retrieval/export of pertinent data:

Search

- Defined parameter search by date, time, camera, area, event, and event log file
- AVerMedia patented Visual Search that visually breaks down video by day, hour, minute, 10 seconds and second
- Time search to scroll through by moments
- FaceFinder software - catalogs human faces from live video to facilitate quick searches based on facial recognition
- Easy retrieval and playback of footage by "Bookmarking" significant segments
- Advanced event log search by event, operation, POS, system and network activities

Playback

- Simultaneously view playback while recording and/or performing network functions.
- Built-in sensitive playback controls (including frame-by-frame)
- Digital zoom incorporated for greater detail in playback video

Backup

- Based on chosen system, easily export/backup to DVR-RW/ CD-RW, flash memory, external HDD, NAS, SAN and RAID
- Export single images to BMP files or segments to AVI files
- Saved images are "Watermarked" to validate authenticity

POS INTEGRATION

- POS connection available on every channel along with iPOS function that allows transaction data searches and video playback right from the live monitoring screen
- Compatible with most commonly used POS systems
- To protect against employee tampering, system is integrated with a confidential key word filter
- POS keywords can be set to trigger alarms and notifications
- POS text location can be customized on video footage

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CAPABILITIES

REMOTE

Multicasting

- iDispatch - For high-traffic video broadcasting, the NV5000 will multicast video streams to drastically lower network, server and camera loads for effective remote viewing

Setup and configuration

- iSetup is bundled to make system changes remotely
- Remote backup capability is included with the NV5000

Viewing

From laptops, cells phones, PDAs and more, you can track video whenever and wherever

- Remote Access with DDNS function
  - **Web/Remote Computers:**
    Internet Explorer WebViewer (view Live video with 2-way audio)
    Remote Console (view Live/Recorded video and control PTZ, setup, E-maps, recording, playback, sensors/relays)
  - **Windows mobile devices:**
    SmartViewer (view Live video)
    PDAViewer (view Live/Recorded video, store multiple DVR log-ins, control PTZ, zoom and take video snapshots)
  - **Blackberry mobile devices:**
    iBBViewer (view Live video)
  - **iPhone mobile devices:**
    iViewer (view Live video)

Multiple Systems

- With CM3000 central management software, you have total remote command of up to 1000 remote systems from one central location
  - Monitor with E-maps, record and playback
  - Control sensors and relays
  - Setup and modify DVR configurations
  - 2-way audio

USER ACCESS

- Up to 256 user accounts with individually assigned passwords and user privileges
- User accounts can be set to activate or expire at specified dates

NV5000 Detailed Specifications

Unit				
Operating system		Windows XP/Vista (32-bit)/7 (32-bit & 64-bit drivers)		
Compression		Software: H.246/MPEG4		
Interface		PCI		
Adding additonal channels		Extension Cards	Adds 4 BNC ports (max of 3 ext cards per NV5000)	
		Stacked NV5000	Adds 4 BNC ports and extra fps (max of 2 stacked cards per system)	
		Stacked:	**1 Card - 4 Total Chs**	**2 Cards - 8 Total Chs**
Video Inputs	Analog	BNC	4 Connectors	8 BNC Connectors
	IP	Data Streams	4 H.264/MPEG4/JPEG	8 H.264/MPEG4/JPEG
Video Out		TV Out - RCA x1		
Video Format	Analog	NTSC: 352x240 (CIF), 640x480 (VGA), 720x240 (Half-D1), 720x480 (D1)		
	IP	IP/Megapixel Camera Specific		
		Stacked:	**1 Card**	**2 Cards**
Recording Rates	Analog	CIF	120	240
		D1	120	120
	IP	Per camera specifications		
		Stacked:	**1 Card**	**2 Cards**
Audio		In/Out	4/1	8/1
Alarms/Relays		In/Out	4/4	8/8
Supported IP cameras (support IP PTZ, IP IO, & IP audio if IP cameras built-in)		AXIS, Panasonic, SONY, Arecont, Mobotix, BOSCH, IQinvision, JVC, TOSHIBA, VIVOTEK, ACTi, D-Link, PiXORD, PELCO, Apron, Lilin and more		
Browser/Remote Client		MS Internet Explorer 6+, Windows 2000, XP, VISTA, Win 7		

Software	
Interface	Graphical user Interface
Account Administration	Up to 256 accounts with configurable user privileges
Camera Administration	Add and configure all supported IP/Megapixel cameras through the GUI.
PTZ Control	Zoom-in/Zoom-out, Focus-in/Focus-out, Direction, Speed, Preset point, Autopan.
Playback Administration	Playback while recording or setup
	Play, rewind, fast-forward, frame-by-frame control
	Digitally zoom to specific regions on recorded video
	Export single frame to .jpg, export video clip to .DVR/.AVI/.MPEG
Motion Detection	Configurable to sense mass/motion; can partition off areas in monitoring regions from motion triggers
Event Recording	Schedule: Continuous, Smart, Motion, Alarm, Manual
Video Event Search	Visual Search, date/time, camera, event & log files
Advanced Event Log	Full event, operation, system & network activities log
Alarm Notifications	Launch or send E-map, relay, video capture, CM3000 or E-mail notification
E-map Display	Positions of cameras, sensors, relays and event status
iEnhance	Enhance video quality such as Brightness/Contrast/ Hue/ Saturation/ Sharpness/ Noise Reduction/De-interlace/ Gray Scale of recorded video
iStable	One-click fix for shaky video caused by camera movement (such as wind or vandalism)
Remote Management	
Central Management	CM3000 software - supports up to 1000 DVRs
Remote DVR connectivity	Remote Computers: Use WebViewer (MS Internet Explorer only) or Remote Console
	Windows Mobiles: Use SmartViewer or PDAViewer
	Blackberry Mobiles: Use iBBViewer
	iPhones Mobiles: Use iViewer
Dispatch Server	Balance NVR communication for added client access and greater data transfer speeds
DDNS	Allow remote clients to search dynamic servers without enquiring for server's IP address
Warranty	
3 Year Limited Parts and Labor	

NV Series Hardware Recommendations

Please visit our product pages at www.averusa.com/surveillance/categories.aspx for a detailed list of supported motherboards, graphic cards and more

PTZ Camera (visit our website support/download page for a complete list)

Brand	Product Number
AmericanDynamics	all products
Canon	VC-C4R
CD55	all products
DiGiDome	DRX -502A (DOH-240)
DMP23-H2	DMP23-H2
DynaColor	All products
Eastel	all products
ELMO	PTC -200C
Fastrax II	HID-2404
JVC	TK-C676 / TK-C675
Lilin	PIH 717X / 7000 / 7600 / PIH 7622/ 7622DH / 7635DH
MD101	all products
MicroJack-P	all products
NiceCam	all products
Panasonic	WV-CS850 / WV-CW860 / WV-CS950 / CS850B / CW860A / WV-CZ352
Pelco	Pelco-D/ Pelco-P
Philps	TC8560, TC700
SamSung	SCC-641
Sony	15-CZ45-1 /EVI-D70P
Yoko	all products

USB to Serial Hubs (Could be compatible w/ POS Series, PTZ Camera, UPS Series)

Brand	Model	Capacity
MOXA	Uport 1410	

Raid System

Brand	Product Number
Stardom	SR3610-2S-SB2
AVerDigi	RA4000e

PDA Basic requirement

Notice: This feature is only available on version 5.1 or above AP. For customers who are using 5.0 version of AP, please visit the Support/Download page to download and upgrade to the latest version of AP

1. CPU: Arm architecture, for example, Intel Xscale.
2. OS: MS Window Pocket PC 2002/2003 or Mobile 5 and above.
3. GPRS or WLAN module is recommended.

Windows Mobile Smartphone Basic Requirement

Notice: This feature is only available on version 5.7 or above AP. For customers who are using v.5.5, v5.1 or v5.0 version of AP please visit the Support/Download page to download and upgrade to the latest version of AP

1. CPU: Arm architecture, for example, Intel Xscale.
2. OS: Windows-base, Windows Mobile 2002/2003 for Smart Phone Edition or Windows Mobile version.
3. Network module such as WAP,GPRS,WLAN....etc is required .

Symbian Smartphone Basic Requirement

Notice: This feature is only available on version 7.1 or above AP. For customers who are using v5.7, v.5.5, v5.1 or v5.0 version of AP please visit the Support/Download page to download and upgrade to the latest version of AP

1. OS:Symbian Smartphone
2. The OS needs to support JAVA MIDP 2.0(JAVA2 ME)
3. Hardware requirement such as WAP, GPRS, WLAN, etc is required.

* Hardware recommendations are the minimum hardware specifications for running our systems and not a guarantee to achieve the best performance of our DVR systems. Hardware specifications required to achieve the best performance of our DVR systems are subjected to different system settings and operation conditions.